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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
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| 09/680,371 | 10/05/2000 | Mari Ichimura | 09792909-4647 | 8232 |

7590 11/10/2003

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| EXAMINER |
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DAVIS, BRIAN J

| ART UNIT | PAPER NUMBER |
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1621

DATE MAILED: 11/10/2003

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Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/680,371

Applicant(s)

ICHIMURA ET AL.

Examiner

Brian J. Davis

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-- The MAILING DATE of this communication appears on the cover sheet with the corresponding address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 14 October 2002.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-42 is/are pending in the application.
- 4a) Of the above claim(s) 31-42 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-30 is/are rejected.
- 7) ☒ Claim(s) 1-30 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. §§ 119 and 120

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☒ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received.
- 13) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
a) ☐ The translation of the foreign language provisional application has been received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 10.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Election/Restriction

Applicant's election (Paper No. 9) of the compound (18-1) of claim 5 and applicant's previous election of Group I (claims 1-13; Paper No. 5) as the species and Group elected for prosecution, respectively, both without traverse, is acknowledged. However, since the search required for Group I is also required for Group II, Group II has been rejoined. Claims 31-42 are withdrawn from consideration as being drawn to non-elected subject matter. The restriction is hereby made FINAL.

Priority

Acknowledgment is made of applicant's claim for foreign priority based on an application filed in Japan on 10/06/99. It is noted, however, that applicant has apparently not filed a certified copy of the above application as required by 35 U.S.C. 119(b).

Specification

The lengthy specification has not been checked to the extent necessary to determine the presence of all possible minor errors. Applicant's cooperation is requested in correcting any errors of which applicant may become aware in the specification.

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Claim Objections

Claims 1-30 are objected to because of the following informalities: the claims contain numerous instances of multiple periods and/or no period at the end of the claim. Claims must begin with a capital letter and end with a period. MPEP 608.01(m). Appropriate correction is required. Additionally, claim 3 contains a grammatical error. The examiner respectfully suggests that the last clause of the claim should be something along the lines of: ...each has from 1 to 6 carbons. Appropriate correction is required.

Double Patenting

The elected species has been searched and is not deemed free of the prior art.

The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. See *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and, *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent is shown to be commonly owned with this application. See 37 CFR 1.130(b).

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

Claims 1-30, in so far as they read on the elected species, are rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claim 5 of U.S. Patent No. 6,242,116. Although the conflicting claims are not

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identical, they are not patentably distinct from each other because claim 5 of the patent claims an organic electroluminescent device comprising, inter alia, and organic layer comprising the elected species. That is, the patent discloses a composition containing the elected species.

In the interest of furthering prosecution, the search was expanded as called for under current Office Markush practice. This resulted in all remaining species being searched. An additional double patenting rejection follows.

Claims 1-30 are rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claim 5 of U.S. Patent No. 6,440,585. Although the conflicting claims are not identical, they are not patentably distinct from each other because claim 5 of the patent claims an organic electroluminescent device comprising, inter alia, and organic layer comprising a set of applicant's compounds. That is, the patent discloses a composition containing a set of the instant species.

Allowable Subject Matter

Once the above double patenting rejections have been overcome, the subject matter of claims 1-30 would be allowable. The following is a statement of reasons for the indication of allowable subject matter:

The closest prior art appears to be EP 0 866 110 A1, cited by the applicant in the IDS, which teaches compounds structurally related to those of the instant invention. The reference neither teaches nor suggests the instant compounds, however. This may perhaps be most easily seen by focusing on the A moiety of formula (1) of the reference

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(page 2 line 18; Table I). Nor would it have been obvious to one of ordinary skill in the art at the time of the invention to modify the compounds of the prior art in order to arrive at those of the instant invention. There is no motivation to do so.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brian J. Davis whose telephone number is 703-305-7129. The examiner can normally be reached on 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Johann Richter can be reached on 703-308-4532. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-1123.


**BRIAN DAVIS
PRIMARY EXAMINER**

Brian J. Davis
October 5, 2003